

3M General Offices  
3M Center  
St. Paul, Minnesota 55144-1000  
612/733 1110

Industrial Hygiene  
AUG 23 1989

00-10  
8

Duns No.: 00-617-3082

MATERIAL SAFETY  
DATA SHEET



**DIVISION: ELECTRICAL PRODUCTS DIVISION**

**TRADE NAME:**

SCOTCHCAST BRAND ELECTRICAL RESIN 8 (5236)

**U.P.C. NUMBER:** 00-54007-08085-5 00-54007-08086-2 00-54007-09001-4 00-54007-09002-1  
00-54007-27597-8 00-54007-27629-6

**ISSUED:** APRIL 25, 1989

**SUPERSEDES:** APRIL 10, 1989

**DOCUMENT:** 10-2579-0

1. INGREDIENT	C.A.S. NO.	PERCENT	----- EXPOSURE -----		LIMITS -----	
			VALUE	UNIT	TYPE	AUTH
PART A: BISPHENOL A- EPICHLOROHYDRIN COPOLYMER	25068-38-6	100.0	NONE	NONE	NONE	NONE
PART B: FATTY ACID AMIDE	68541-13-9	75.0 - 80.0	NONE	NONE	NONE	NONE
POLYSTYRENE RESIN	9003-53-6	15.0 - 20.0	NONE	NONE	NONE	NONE
DIETHYLENETRIAMINE	111-40-0	1.0 - 5.0		1 ppm	TWA	ACGIH
NONYL PHENOL	25154-52-3	1.0 - 5.0	NONE	NONE	NONE	OSHA

**SOURCE OF EXPOSURE LIMIT DATA:**

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration
- NONE: None Established

**2. PHYSICAL DATA**

BOILING POINT:..... N/A  
VAPOR PRESSURE:..... N/A  
VAPOR DENSITY: ..... N/A  
EVAPORATION RATE:..... N/A  
SOLUBILITY IN WATER: ..... Nil  
SP. GRAVITY:..... A:1.15 B:0.99  
PERCENT VOLATILE: ..... 0  
VOLATILE ORGANICS: ..... N/D  
pH: ..... N/A  
VISCOSITY: ..... A:125cps B:4000cps  
APPEARANCE AND ODOR: A: Amber liquid B: Brown liquid, amine odor

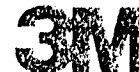
**3. FIRE AND EXPLOSION HAZARD DATA**

FLASH POINT:..... Both>390F Closed Cup  
FLAMMABLE LIMITS - LEL: ..... N/D  
FLAMMABLE LIMITS - UEL: ..... N/D  
AUTOIGNITION TEMPERATURE: ... N/D  
EXTINGUISHING MEDIA:  
Carbon Dioxide, Foam or Dry Chemical  
SPECIAL FIRE FIGHTING PROCEDURES:  
Firefighters should be equipped with self-contained breathing  
apparatus.  
UNUSUAL FIRE AND EXPLOSION HAZARDS:  
NONE  
NFPA-HAZARD-CODES: HEALTH 2 FIRE 1 REACTIVITY 0  
UNUSUAL REACTION HAZARD: None

Abbreviations: N/D - Not Determined N/A - Not Applicable

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**4. REACTIVITY DATA**

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**STABILITY:** Stable

**INCOMPATIBILITY - MATERIALS TO AVOID:**

NONE

**HAZARDOUS POLYMERIZATION:** Will Not Occur

**HAZARDOUS DECOMPOSITION PRODUCTS:**

May include Carbon Monoxide, Carbon Dioxide and Oxides of Nitrogen.

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**5. ENVIRONMENTAL INFORMATION**

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**SPILL RESPONSE:**

PART A or PART B: Observe precautionary information from other sections. Use absorbent material as needed and sweep up. Mixture of PART A and PART B: Observe precautionary information from other sections. Clean up spill.

**RECOMMENDED DISPOSAL:**

PART A or PART B: Dispose by incineration or send fully adsorbed material for landfill in accordance with local and state regulations. Mixture of PART A and PART B: Fully cured material may be landfilled in accordance with local and state regulations.

**ENVIRONMENTAL DATA:**

NONE

**SARA HAZARD CLASS:**

FIRE HAZARD: No PRESSURE: No REACTIVITY: No ACUTE: Yes CHRONIC: Yes

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**6. SUGGESTED FIRST AID**

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**EYE CONTACT:**

Immediately flush eyes with large amounts of water and continue for at least ten minutes, call a physician.

**SKIN CONTACT:**

Wash affected area thoroughly with soap and water.

**INHALATION:**

Provide fresh air; if coughing, wheezing or shortness of breath develops, call a physician.

**IF SWALLOWED:**

Give one to two glasses of water. Call a physician.

**OTHER FIRST AID:**

NONE

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**7. PRECAUTIONARY INFORMATION**

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Avoid eye and skin contact, wear safety goggles, protective clothing and impervious gloves when handling product. Use this product in well ventilated area and avoid breathing vapors. Do not breath vapors of heated mixture. Use exhaust ventilation for mixing,

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7. PRECAUTIONARY INFORMATION (continued)

pouring and curing processes. Where ventilation is insufficient, use a NIOSH approved respirator with organic vapor cartridges. Cool down area should be ventilated to prevent vapors from entering the work area.

ADDITIONAL EXPOSURE LIMITS

INGREDIENTS	EXPOSURE		LIMITS	
	VALUE	UNIT	TYPE	AUTH
DIETHYLENETRIAMINE	4	mg/m3	TWA	ACGIH
DIETHYLENETRIAMINE	1	ppm	TWA	OSHA
DIETHYLENETRIAMINE	4	mg/m3	TWA	OSHA

SOURCE OF EXPOSURE LIMIT DATA:

- ACGIH: American Conference of Governmental Industrial Hygienists
- OSHA: Occupational Safety and Health Administration

8. HEALTH HAZARD DATA

EYE CONTACT: PART A: May be irritating to the eyes and direct contact. PART B: Causes eye irritation. Mixture of PART A and PART B: Irritating to the eyes on direct contact.

SKIN CONTACT: PART A: May cause skin irritation on direct contact and may cause skin sensitization in some susceptible individuals. PART B: May be harmful if absorbed through the skin, may cause skin sensitization in some susceptible individuals. Mixture of PART A and PART B: May cause irritation of the skin on direct contact and in susceptible individuals may cause sensitization.

INHALATION: May cause irritation of respiratory system. May cause respiratory sensitization in some susceptible individuals.

INGESTION: May irritate digestive system. May cause tissue or digestive system damage.

SECTION CHANGE DATES

HEADING	SECTION CHANGED SINCE
	APRIL 10, 1989 ISSUE

Abbreviations: N/D - Not Determined N/A - Not Applicable

The information on this Data Sheet represents our current data and best opinion as to the proper use in handling of this product under normal conditions. Any use of the product which is not in conformance with this Data Sheet or which involves using the product in combination with any other product or any other process is the responsibility of the user.